

MINUTES OF PREVIOUS MEETING

July 11, 2018

The regular monthly meeting of the Board of Trustees of the Lake County Vector Control District was called to order at 1:32 P.M. by President Giambruno.

Board Present: Rob Bostock (Mr. Bostock left the meeting at 2:18 P.M.), Curt Giambruno, Chuck Leonard, Ron Nagy, and George Spurr.

Absent: None.

District Personnel: Jamesina Scott, Ph.D., Manager and Research Director, Ms. Jacinda Franusich, Office Manager, and Ms. Cassandra Urquhart, Entomologist.

Guests: Ms. Melanie Lee of SCI Consulting Group.

Citizen's Input: None.

Agenda additions and/or deletions: None.

Open Public Hearing and Consideration of Levy of the Assessment for the Lake County Vector Control District Mosquito, Vector and Disease Control Assessment.

President Giambruno opened the Public Hearing at 1:35 P.M.

President Giambruno opened the Public Input portion of the Public Hearing at 1:36 P.M.

There was no public input.

President Giambruno closed the Public Input portion of the Public Hearing at 1:37 P.M.

Consideration of Resolution 18-03 Approving Engineer's Report, Confirming Diagram and Assessment, and Ordering Levy of The Mosquito, Vector, and Disease Control Assessment for Fiscal Year 2018-2019

Mr. Leonard moved to approve Resolution 18-03 Approving Engineer's Report, Confirming Diagram and Assessment, and Ordering Levy of the Mosquito, Vector, and Disease Control Assessment for Fiscal Year 2018-2019. Mr. Spurr seconded the motion. Motion carried with a roll call vote as follows: five in favor (Mr. Bostock, Mr. Giambruno, Mr. Leonard, Mr. Nagy, and Mr. Spurr).

Approve Minutes of June 13, 2018 Regular Meeting

Mr. Leonard moved to approve the minutes of June 13, 2018 with a correction to the check numbers to include checks 17742-17761 in the amount of \$50,182.22 making the total for June \$127,657.84. Mr. Nagy seconded the motion. Motion carried unanimously.

Report on Yellowjacket Trap Study

Ms. Cassandra Urquhart gave a brief report to the Board on the Yellowjacket Trap Study. The study is comparing the numbers of yellowjackets caught in six types of traps (3 commercial traps and 3 homemade traps). The traps are in five locations around Lake County. Four yellowjacket species have been collected; western yellowjackets (*Vespula pensylvanica*) comprise the majority. She has also noted differences among the species in the seasonal activity of the queens and workers.

The District hopes to be able to use the information from the study to inform the public about which traps may be helpful in removing queens early in the season and for reducing the numbers of foraging yellowjackets in the summer.

Research Report

Dr. Scott reported on vectorborne virus activity. No West Nile virus (WNV) has been detected in Lake County this year.

In California, WNV has been detected in 47 mosquito samples and 35 dead birds. Additionally, nine human cases of WNV illness have been reported.

For the rest of the United States, 23 states have reported WNV activity including four states with human infections.

Twenty-five Florida counties have reported eastern equine encephalitis virus (EEE) activity in sentinel chickens or mosquitoes. Additionally, one human case of EEE has been reported in a Florida resident.

Five counties in Connecticut have reported mosquito samples positive for Jamestown Canyon virus (JCV) this year.

One human case of La Crosse encephalitis virus (LACV) has been reported in a Tennessee resident this year.

Two cases of human illness from Powassan (POW) virus have been reported from New York and Massachusetts.

Arizona and California have reported St. Louis encephalitis virus (SLEV) activity in mosquitoes this year.

Twenty-eight human cases of Zika virus have been reported so far in 2018. All of the cases were in travelers returning from affected areas. Additionally, sixty-seven Zika virus disease cases have been reported in residents from the US Territories of Puerto Rico and the US Virgin Islands. All of these cases were acquired through local transmission.

Dr. Scott reported on adult biting fly activity. Eighty-two carbon dioxide-baited traps were set during June. Trap locations include Anderson Marsh, Kelseyville, Lakeport, and Upper Lake. Among the mosquito species collected were: *Culex tarsalis*, *Aedes sierrensis*, *Aedes increpitus*, *Anopheles franciscanus*, and *Anopheles freeborni*.

New Jersey light traps were set in the Reclamation and near Borax Lake during June. Among the mosquito species collected were *Anopheles freeborni*, *Aedes increpitus*, *Anopheles franciscanus*, and *Culex tarsalis*.

A culvert in North Lakeport and large resting boxes in Kelseyville, Lakeport, and Upper Lake were sampled on several dates in June. Among the mosquito species collected were *Aedes sierrensis*, *Culex stigmatosoma*, and *Culex tarsalis*.

Dr. Scott reported on tick testing. Since October 2017, twenty-four *Ixodes pacificus* ticks that Lake County residents removed from themselves have been submitted to the Sonoma County Public Health Laboratory for testing for *Borrelia burgdorferi*. All the ticks were negative.

Dr. Scott reported on Clear Lake Gnat, Chironominae, and Tanypodinae Surveillance in Clear Lake. Clear Lake Gnat larval counts in the Upper Arm decreased from 0.25 larvae per dredge in May to no larvae in June. Chironominae numbers increased from 65.71 larvae per dredge in May to 94.5 larvae per dredge in June. Tanypodinae numbers increased from 0.82 larvae per dredge in May to 4.71 larvae per dredge in June.

Operation Report

During June, no rainfall was recorded in the District's rain gauge. The total rainfall for the season is 18.56 inches, which is 68.0% of the average rainfall for this date.

On June 1, the level of Clear Lake was 4.60 feet on the Rumsey Gauge and decreased to 3.89 feet by June 30.

The District responded to 410 service requests in June. This number includes 26 online requests and two yellowjacket service requests.

An emergence of *Aedes melanimon* (irrigated pasture mosquito) from a pasture near Hidden Valley generated multiple service requests in June. The District treats this pasture every year by airplane or ATV.

District Entomologist Brittany Nelms gave a mosquito workshop to children and parents in a homeschool group on June 18.

District Entomologist Cassie Urquhart gave a presentation to 20 residents at the Clearlake Keys Property Owner's Association Meeting on June 23.

On June 21, Vector Biologist Bonnie Ryan, Lab Assistant Michelle Koschik, and Seasonal Assistant Sammy Jo Brassfield gave a presentation to 30 scouts and adult volunteers during the local Boy Scouts of America's annual outdoor camp week.

The roof on the laboratory building was replaced in June. Some overhangs and fascia boards were replaced, and a ridge vent and eyebrow vent were added.

Mr. Bill Salata, the State Parks Sector Superintendent who oversees Anderson Marsh State Historic Park and Clear Lake State Park contacted the District to discuss concerns regarding fire prevention and driving vehicles

in Anderson Marsh State Historic Park. Dr. Scott reviewed the District's program with Mr. Salata and discussed the District's practices to reduce fire risk. Mr. Salata requested that the District set traps as early as possible to avoid driving in the park during the hottest part of the day.

Final Budget Hearing for Fiscal Year 2018/2019

After some discussion, Mr. Spurr moved to approve the Final Budget for Fiscal Year 2018/2019. Mr. Nagy seconded the motion. Motion carried unanimously.

Approve Checks for the Month of July 2018

Mr. Nagy moved to approve Check Nos. 17762-17834 for the month of July 2018 in the amount of \$246,952.35. Mr. Leonard seconded the motion. Motion carried unanimously.

Other Business

Dr. Scott mentioned the District had put out a joint media release with the Lake County Department of Public Health. The release encouraged residents to remember to wear mosquito repellent to protect against West Nile virus.

Announcement of the Next Board Meeting

The next regular meeting of the Board of Trustees of the Lake County Vector Control District will be at 1:30 P.M. on August 8, 2018 in the LCVCD Board Room, 410 Esplanade Lakeport, CA 95453.

Mr. Nagy moved to adjourn the meeting. Mr. Spurr seconded the motion. There being no other business the meeting was adjourned by President Giambruno at 2:55 P.M.

Respectfully submitted,

Ronald Nagy
Secretary